

PATENT ABSTRACTS OF JAPAN

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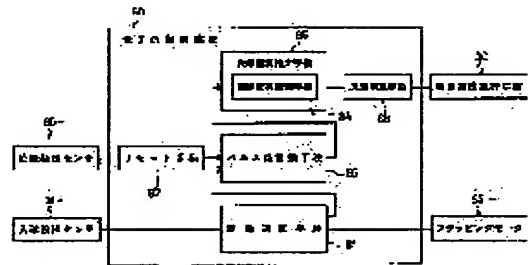
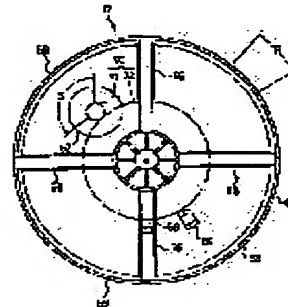
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(54) VARIABLE PICTURE PATTERN DISPLAY DEVICE FOR PACHINKO MACHINE

(57)Abstract:

PROBLEM TO BE SOLVED: To display picture patterns while stopping them at suitable positions without using any complicated control program, etc., by calculating the deceleration ratio of a gear device between a stepping motor and a rotary reel from the least common denominator between the number of picture patterns of the rotary reel and the number of steps for one rotation of the stepping motor.

SOLUTION: Between a stepping motor 52 and a rotary reel 51, a gear device 70 is provided for decelerating the rotation of the stepping motor 52 and transmitting it to the rotary reel 51, and the deceleration ratio of the gear device is defined as a value calculated from the least common multiple between the number of picture patterns displayed on the rotary reel 51 and the number of steps for one rotation of the stepping motor 52. When a game ball gets into a start hole, a ball-in detecting sensor 31 outputs a ball-in detecting signal, and a drive control means 81 outputs a driving pulse and starts rotating the stepping motor 52. When a position detecting sensor 60 detects a detecting piece 58 of the rotary reel 51, the number of driving pulse is temporarily returned to zero by a reset signal from a reset means 82, and counting is started again.



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